

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056603.D
 Acq On : 3 Jul 2019 22:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:08:21 AM

Quant Time: Jul 04 00:00:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	279481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	437427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	159290	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
35) Dibromofluoromethane	7.59	113	138909	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	10.09	98	516708	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	183791	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	108102	45.680	ug/l	100
3) Chloromethane	2.06	50	141900	44.037	ug/l	98
4) Vinyl Chloride	2.19	62	143234	46.023	ug/l	98
5) Bromomethane	2.52	94	54260m	29.739	ug/l	
6) Chloroethane	2.67	64	82731m	45.903	ug/l	
7) Trichlorofluoromethane	3.00	101	191324	47.524	ug/l	99
8) Diethyl Ether	3.41	74	85537	50.204	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	124214	48.383	ug/l	99
10) Methyl Iodide	3.95	142	98915	28.507	ug/l	98
11) Tert butyl alcohol	4.80	59	154013	295.213	ug/l	100
12) 1,1-Dichloroethene	3.73	96	119367	48.348	ug/l	98
13) Acrolein	3.61	56	92031	209.305	ug/l	98
14) Allyl chloride	4.32	41	212356	51.671	ug/l	99
15) Acrylonitrile	4.99	53	400333	277.376	ug/l	99
16) Acetone	3.82	43	320186	206.319	ug/l	99
17) Carbon Disulfide	4.05	76	235284	41.899	ug/l	100
18) Methyl Acetate	4.33	43	177051	58.395	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	437429	53.545	ug/l	98
20) Methylene Chloride	4.55	84	146923	50.225	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	127916	48.056	ug/l	97
22) Diisopropyl ether	5.95	45	477559	55.330	ug/l	96
23) Vinyl Acetate	5.90	43	1931832	283.774	ug/l	100
24) 1,1-Dichloroethane	5.85	63	257442	51.961	ug/l	99
25) 2-Butanone	6.84	43	543105	264.420	ug/l	99
26) 2,2-Dichloropropane	6.82	77	156001	45.271	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159429	51.194	ug/l	99
28) Bromochloromethane	7.19	49	126775	51.731	ug/l	97
29) Tetrahydrofuran	7.21	42	367602	292.869	ug/l	98
30) Chloroform	7.37	83	257932	52.758	ug/l	100
31) Cyclohexane	7.65	56	219562	45.903	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	204565	52.788	ug/l	99
36) 1,1-Dichloropropene	7.79	75	180368	46.847	ug/l	99
37) Ethyl Acetate	6.93	43	214573	56.710	ug/l	100
38) Carbon Tetrachloride	7.77	117	168229	49.966	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213281	44.894	ug/l	98
40) Benzene	8.04	78	580902	49.050	ug/l	99
41) Methacrylonitrile	7.17	41	96218	57.588	ug/l	91
42) 1,2-Dichloroethane	8.12	62	195153	49.931	ug/l	99
43) Isopropyl Acetate	8.17	43	333908	57.231	ug/l	99
44) Trichloroethene	8.84	130	149989	47.015	ug/l	100
45) 1,2-Dichloropropane	9.12	63	162894	51.431	ug/l	99
46) Dibromomethane	9.21	93	99434	50.180	ug/l	99
47) Bromodichloromethane	9.40	83	190103	54.092	ug/l	99
48) Methyl methacrylate	9.20	41	164227	56.171	ug/l	97
49) 1,4-Dioxane	9.20	88	67868	1118.578	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1095867	291.012	ug/l	100
52) Toluene	10.16	92	359846	49.699	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	197703	48.398	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	225962	53.391	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	152487	52.394	ug/l	99
56) Ethyl methacrylate	10.43	69	238788	56.141	ug/l	100
57) 1,3-Dichloropropane	10.71	76	256182	52.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	598623	391.764	ug/l	99
59) 2-Hexanone	10.75	43	794955	287.229	ug/l	100
60) Dibromochloromethane	10.90	129	149762	50.059	ug/l	99
61) 1,2-Dibromoethane	11.01	107	155949	52.464	ug/l	99
64) Tetrachloroethene	10.63	164	138140	45.488	ug/l	99
65) Chlorobenzene	11.43	112	387121	50.240	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	144003	55.295	ug/l	100
67) Ethyl Benzene	11.51	91	682095	50.415	ug/l	100
68) m/p-Xylenes	11.62	106	510424	102.943	ug/l	98
69) o-Xylene	11.95	106	254571	51.896	ug/l	99
70) Styrene	11.96	104	429367	54.760	ug/l	99
71) Bromoform	12.13	173	108342	51.470	ug/l #	98
73) Isopropylbenzene	12.25	105	669693	50.048	ug/l	100
74) N-amyl acetate	12.07	43	280220	49.421	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	229610	55.780	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	184704m	49.999	ug/l	
77) Bromobenzene	12.53	156	175345	44.016	ug/l	96
78) n-propylbenzene	12.59	91	753037	46.156	ug/l	99
79) 2-Chlorotoluene	12.67	91	448553	50.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	560958	50.032	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58240	56.032	ug/l	94
82) 4-Chlorotoluene	12.77	91	450138	46.728	ug/l	99
83) tert-Butylbenzene	12.99	119	488129	49.959	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	556568	46.405	ug/l	100
85) sec-Butylbenzene	13.17	105	638994	44.560	ug/l	100
86) p-Isopropyltoluene	13.29	119	579370	47.078	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293560	48.626	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	285671	48.860	ug/l	100
89) n-Butylbenzene	13.61	91	479336	51.450	ug/l	99
90) Hexachloroethane	13.87	117	88680	46.220	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	298284	49.800	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40571	61.545	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162320	51.810	ug/l	99
94) Hexachlorobutadiene	15.01	225	95650	47.010	ug/l	99
95) Naphthalene	15.13	128	471438	57.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	171266	52.723	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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